(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 10 August 2006 (10.08.2006)

(10) International Publication Number WO 2006/081673 A1

(51)	International	Patent	Classification:
------	---------------	--------	-----------------

 B02B 3/00 (2006.01)
 B01D 21/00 (2006.01)

 C12P 7/06 (2006.01)
 B02B 3/08 (2006.01)

 C11B 1/00 (2006.01)
 B02B 3/04 (2006.01)

 A23D 9/04 (2006.01)
 B02B 1/04 (2006.01)

 B02B 1/02 (2006.01)
 B02B 1/04 (2006.01)

(21) International Application Number:

PCT/CA2006/000148

(22) International Filing Date: 7 February 2006 (07.02.2006)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/649,970

7 February 2005 (07.02.2005) US

(71) Applicant (for all designated States except US): FWS CONSTRUCTION LTD. [CA/CA]; 475 Dovercount Drive, Winnipeg, Manitoba R3Y 1G4 (CA).

(72) Inventor; and

(75) Inventor/Applicant (for US only): FOSTER, Glen [CA/CA]; 475 Dovercourt Drive, Winnipeg, Manitoba R3Y 1G4 (CA).

- (74) Agent: BATTISON WILLIAMS DUPUIS; Po Box 28006, 1795 Henderson Highway, Winnipeg, Manitoba R2G 1P0 (CA).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CORN FRACTIONATION PROCESS

(57) Abstract: A method of corn fractionation wherein the resulting high starch concentration endosperm is subsequently used for ethanol production or dry milling is described. The method includes: providing substantially cleaned corn kernels, tempering the corn; screen processing to properly size the corn fractions; density separation of the primary fractions; rolling and/or screening the products to produce three main fractions consisting of high starch Endosperm, high oil Germ and high fibre Bran.